

2006-12-21 3535-0145PUS11 SEQUENCE LISTING

PROTEINS PRODUCED IN PLANTS <pre> <130> 3535-0145PUS1 </pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre>									
PROTEINS PRODUCED IN PLANTS <pre> <130> 3535-0145PUS1 </pre> <pre> <pre> <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre></pre></pre>	<110>								
<pre><140> US 10/569,677 <141> 2006-02-27 </pre> <pre><150> PCT/ISO4/00011 <151> 2004-08-27 </pre> <pre><150> 6929 <151> 2003-08-27 </pre> <pre><160> 2 </pre> <pre><170> PatentIn version 3.1 </pre> <pre><210> 1 </pre> <pre><211> 564 <212> DNA </pre> <pre><213> Thermotoga maritima</pre> <pre><400> 21 </pre> <pre><23gg agatcgaga caaggccgtg gccgtgggg agatcgacga gatctggaac accaccaggg agatcgaga gatcgacga gaccaccc gccaagtacgg caagcacct tggcggga gcctcgacaa gaacgccacc gccaagtacgg caagacaccc tgggagcaag acagcagacacc acgaggcgtc gcgtgctct ggacgagaac tacctctacg tgctcgccat cgtgaaggac acagcagacacc tggaagaaca accacaagac cggctactac gaggacgac acgccaatt ccgcgtgaac 300 <pre>tacatgacaca acacaagac aggacaccc tgggagcaag acgcccaatt ccgcgtgaac 300 <pre>tacatgaacg agcaaacctt cgggaccggc ggagcccag cccgcttcaa gaccgcctg 360 </pre> aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 <pre>aagctcatcg aggggggct catcacacc caagtgaacg acgccacacg agaagggcaa 480 </pre> cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgga cccaagcaag 540 </pre> ttcgggaacc tccgcctcat caag <pre><210> 2 <211> 705 <212> DNA </pre> <pre><2110> 705 <212> DNA </pre> <pre><2110> 705 <212> DNA </pre> <pre><2110> 705 <212> DNA </pre> <pre><2100> 2 atcgtcggcg ggagcgatt cagggaggcc tccaaata gggaccgg attggccg gccgcaca 120 </pre> <pre>cattgctggt acgcaggaa catggagca tccaagtgga aggcagtct cggcctgcat 180 </pre> attggctgac acctcacctc cccacaaata gagaccagt tgaccgat acctcacta 180 <pre>attggcqtgt acgcaggaa catggagca tccaaata gagaccagt tgaccgat acctcacta 120 <pre>cattgcgtgt acgcaggaa catggagca tccaaata gagaccagt tgaccgat acctcacta 120 </pre></pre></pre>	<120>	A PROCESS FOR PROTEOLYTIC CLEAVAGE AND PURIFICATION OF RECOMBINANT PROTEINS PRODUCED IN PLANTS							
<pre><141b 2006-02-27 </pre> <pre><150b PCT/TS04/00011 <151b 2004-08-27 </pre> <pre><150b 6929 <151b 2003-08-27 </pre> <pre><160b 2 </pre> <pre><170b Patentin version 3.1 </pre> <pre><210b 1 <2210b 1 <2211b 564 <2212b DNA <2213b Thermotoga maritima </pre> <pre><400b 1 gtggccaccg ccaagtacgg caccccagtg atcgacggg agatcgacga gatctggaac 60 accaccgagg agatcgagac caaggccgtg gccgtgggga gcctcgacaa gaacgccacc 120 gccaaggtgc gcgtgcttg ggacgagac tacctctacg tgctcgccat cgtgaaggac 180 ccagtgctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc 240 gacgagaaca accacaagac cggctactac gaggacgac acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccgg ggagcccaa cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 </pre> <210b 2 <211b 705 <212b DNA <213b Homo sapiens <400b 2 atcgtcggtg acgcagga catggggg gcatgcctg gtgagcagg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 120 cattgcgtgt acggcaggaa catggagca tccaaata 240 atggcatcca acctcacctc cccacaaata 240 atggcatcca acctcacctc 242 atggcatcca acctcacctc 242 atggcatca 2400ca 2 atggcatcac 2400cacacacacacacacacacacacacacacacacacac	<130>	3535-0145PUS1							
<pre><151> 2004-08-27 </pre> <pre><150> 6929 <151> 2003-08-27 </pre> <pre><160> 2 </pre> <pre><170> PatentIn version 3.1 </pre> <pre><210> 1</pre> <pre><211> 564 <212> DNA <213> Thermotoga maritima </pre> <pre><400</pre>									
<pre><151> 2003-08-27 <160> 2 <170> PatentIn version 3.1 <210> 1 <211> 564 <212> DNA</pre>									
<pre><170> PatentIn version 3.1 <210> 1</pre>									
<pre><210> 1 <211> 564 <212> DNA <213> Thermotoga maritima </pre> <pre><400> 1 gtggccaccg ccaagtacgg caccccagtg atcgacgggg agatcgacga gatctggaac 60 accaccgagg agatcgagac caaggccgtg gccgtgggga gcctcgacaa gaacgccacc 120 gccaaggtgc gcgtgctctg ggacgagaac tacctctacg tgctcgccat cgtgaaggac 180 ccagtgctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc 240 gacgagaaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaac gctggcgcg cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 </pre> <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcagga attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagca tccaaata gagaccagtt tgatcgatca aatcgtcata 180 atggcatcca acctcacctc cccacaaata gagaccagt tgatcgatca aatcgtcata 240 attgcgtatca acctcacctc cccacaaata gagaccagt tgatcgatca aatcgtcata 240	<160>	2							
<pre> <211> 564 <212> DNA</pre>	<170>	70> PatentIn version 3.1							
gtggccaccg ccaagtacgg caccccagtg atcgacggg agatcgacga gatctggaac 60 accaccgagg agatcgagac caaggccgtg gccgtgggga gcctcgacaa gaacgccacc 120 gccaaggtgc gcgtgctcg ggacgagaac tacctctacg tgctcgcat cgtgaaggac 180 ccagtgctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc 240 gacgagaaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcgggg ggagcgattc cagggagggc gcatggccat gggtcgtgc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	<211> <212>	564 DNA							
gccaaggtgc gcgtgctctg ggacgagaac tacctctacg tgctcgccat cgtgaaggac 180 ccagtgctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc 240 gacgagaaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaac gctggcgga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 cc210> 2 c211> 705 c212> DNA c213> Homo sapiens catcgtggg ggagcgatc cagggagggc gcatggccat gggtcgtggc actctactc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240			60						
ccagtgctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc 240 gacgagaaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcggtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 c210> 2 c211> 705 c212> DNA c213> Homo sapiens caggagggc gcatggccat gggtcgtggc actctactc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcagga attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	accacc	gagg agatcgagac caaggccgtg gccgtgggga gcctcgacaa gaacgccacc	120						
gacgagaaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac 300 tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	gccaag	gtgc gcgtgctctg ggacgagaac tacctctacg tgctcgccat cgtgaaggac	180						
tacatgaacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg 360 aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	ccagtg	ctca acaaggacaa cagcaacccc tgggagcaag acagcgtgga gatcttcatc	240						
aagctcatcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca 420 accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	gacgag	aaca accacaagac cggctactac gaggacgacg acgcccaatt ccgcgtgaac	300						
accccaaaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa 480 cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	tacatg	aacg agcaaacctt cgggaccggc gggagcccag cccgcttcaa gaccgccgtg	360						
cgcgtgggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag 540 ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	aagctc	atcg aggggggcta catcgtggag gccgccatca agtggaagac catcaagcca	420						
ttcgggaacc tccgcctcat caag 564 <210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	acccca	aaca ccgtgatcgg cttcaacatc caagtgaacg acgccaacga gaaggggcaa	480						
<pre><210> 2 <211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240</pre>	cgcgtg	ggga tcatcagctg gagcgaccca accaacaaca gctggcgcga cccaagcaag	540						
<211> 705 <212> DNA <213> Homo sapiens <400> 2 atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	ttcggg	aacc tccgcctcat caag	564						
atcgtcggcg ggagcgattc cagggagggc gcatggccat gggtcgtggc actctacttc 60 gatgatcaac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca 120 cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	<211> <212>	705 DNA							
cattgcgtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat 180 atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240			60						
atggcatcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata 240	gatgat	caac aagtctgcgg ggcatccctg gtgagcaggg attggctcgt gtccgcagca	120						
	cattgc	gtgt acggcaggaa catggagcca tccaagtgga aggcagtgct cggcctgcat	180						
raye I	atggca ⁻	tcca acctcacctc cccacaaata gagaccaggt tgatcgatca aatcgtcata Page 1	240						

2006-12-21 3535-0145PUS11

aacccacatt	acaacaagcg	gaggaagaac	aacgacatcg	caatgatgca	tctcgagatg	300
aaggtgaact	acaccgatta	catacaacca	atctgcttgc	cagaggagaa	ccaagtgttc	360
ccaccaggga	ggatctgctc	catcgcaggc	tggggcgcac	tcatatacca	agggtccacc	420
gcagatgtad	tgcaagaggc	agacgtgcca	ctcctctcca	acgagaagtg	ccaacaacaa	480
atgccagagt	acaacatcac	cgagaacatg	gtgtgcgcag	gctacgaggc	aggcggggta	540
gattcctgcd	aaggcgattc	cggcgggcca	ctcatgtgcc	aagagaacaa	caggtggctc	600
ctggcaggcg	tgacctcctt	cggctaccaa	tgcgcactcc	caaaccggcc	aggggtgtac	660
gcacgggtg	caaggttcac	cgagtggata	caaagcttcc	tccat		705